

Name: _____ **score:** _____ / 10

There (really) are 10 points possible on this quiz. No aids (book, notes, etc.) are permitted. You may use a calculator. **Show all work and supporting calculations for full credit. Explain how you get your answers.**

A tabula recta is available.

1. (2 points) **Encrypt** the message SUMMER TIME using a tabular transposition cipher with the encryption key word "BREAK."

2. (2 points) **Decrypt** the message below assuming it was encrypted using a tabular transposition cipher with the encryption key word "BREAK."

FNLNI CTAIL DLEXH

3. (3 points) **Decrypt** the message below assuming it was encrypted using a Vigenère cipher with encryption key word “SUN.”

KCKE IEWJ RJXN Q

4. (1 point) Compare a Vigenère cipher to a tabular transposition cipher. What are the advantages and/or disadvantages.

5. (2 points) Your bill at a restaurant is \$34.78 and you want to leave an 18% tip. How much would you add to the bill? (Show both your computation and your answer.)